

Inequalities - Solving Inequalities

Solve each of the following inequalities.

1. $x + 7 \geq 4$

2. $-m + 3 < 11$

3. $6 > y - 5$

4. $9 \leq 12 - r$

5. $2v < 34$

6. $8 \leq x - 3$

7. $4 > 3 + d$

8. $12f - 12 < 12$

9. $3x - 4 < 5$

10. $\frac{m}{7} \geq 7$

11. $15 > 6x - 45$

12. $8 < 4 + 2y$

13. $16 \leq \frac{m}{2}$

14. $\frac{x}{3} < 15$

15. $14 > 6n - 16$

Write an inequality for each of the following sentences and solve.

16. The sum of x and 2 is less than 7.

17. The difference between y and 6 is greater than or equal to 3.

18. The quotient of h divided by 6 is greater than 3.

19. The product of 7 and n is less than or equal to 56.

20. The sum of a and 12 is 15.